

L4 ANSWER 386 OF 561 CA COPYRIGHT 2004 ACS on STN
 AN 110:120184 CA
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 TI Hydraulic **cement** with high durability and strength
 IN Uchida, Shunichiro; Habara, Toshisuke
 PA Onoda Cement Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B007-345
 CC 58-1 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63248751	A2	19881017	JP 1987-79717	19870402
PRAI	JP 1987-79717		19870402		

AB The hydraulic **cement** contains $11\text{CaO} \cdot 7\text{Al}_2\text{O}_3 \cdot \text{CaX}_2$ ($\text{X} = \text{halogen}$) 5-30, anhydrite 5-30, $\text{Al}(\text{OH})_3$ and/or $\text{Al}_2(\text{SO}_4)_3$ 0.5-10%, and balance Ca silicate and/or siliceous powder at a $(\text{CaO} - 3\text{Al}_2\text{O}_3 - \text{SO}_3)/\text{SiO}_2$ mol ratio .ltoreq.1.7. Thus, **cement**, comprising $11\text{CaO} \cdot 7\text{Al}_2\text{O}_3 \cdot \text{CaF}_2$ 13, C_3S 27, blast-furnace slag 40, anhydrite 19, and $\text{Al}(\text{OH})_3$ 1 wt.%, was mixed with sand, alkali-resistant glass fiber, Mighty 150, HNO_3 (as setting retardant), and **water**, molded, and hardened to give a **cement** product having initial, 7-, and 91-day bending strength 240, 320, 290 kg/cm², resp.

ST calcium aluminate hydraulic **cement**; silicate calcium hydraulic **cement**; anhydrite hydraulic **cement**; aluminum hydrixodde hydraulic **cement**; blast furnace slag hydraulic **cement**

IT Glass fibers, uses and miscellaneous
 RL: USES (Uses)
 (cement reinforced with, manuf. of